

ABSTRACT OF THE DISCLOSURE

An optical device has a housing for receiving a plurality of optical fibers adapted to carry optical signals. A filter is disposed within the housing for transmitting specific optical signals having a predetermined wavelength range. A first ball lens is coupled to the housing and is positioned relative to the filter and the optical fibers to selectively collimate and focus the optical signals. A second ball lens is coupled to the housing and is also positioned relative to the filter and optical fibers to selectively collimate and focus the optical signals. Both ball lenses are optically coupled to the filter.

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